

**ABSTRACT**

A method for generating a digital color standard system for the generation and reproduction of standardized colors is provided, wherein a color spectrum is divided into a plurality of discrete spectral color values with predetermined gaps and the discrete spectral color values are digitized in order to be processed in accordance with the color standard. A computer system for for generating a digital color standard system for the generation or reproduction of standardized colors is also provided. The computer system includes a processor that is programmed to (i) divide a color spectrum into a plurality of discrete spectral color values with predetermined gaps between at least some of the discrete spectral color values, (ii) digitize the discrete spectral color values; and (iii) process the digitized color values. A data carrier is also providing for receiving color data that may be generated according to the foregoing method and/or using the foregoing computer system.

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